

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper & Brass
3200-6th Ave. S
Seattle, WA 98134

LABORATORY NO 85280

DATE July 13, 1984

PO #A 3048

REPORT ON WATER

SAMPLE IDENTIFICATION Submitted 7/05/84 and identified as shown below:

1) Monthly Metro sample for heavy metals
3600 E. Marginal Way - Jane

TESTS PERFORMED
AND RESULTS:

JUNE

parts per million (mg/L)

Total Chromium	.32
Total Copper	.047
Total Nickel	.26
Total Cadmium	L/.002
Total Lead	L/.005
Total Zinc	.51

Key

L/ indicates "less than"

Respectfully submitted,

Laucks Testing Laboratories, Inc

Mike Nelson

MN/tmm



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015794



Chemistry, Microbiology and Technical Services
940 South Main Street, Seattle, Washington 98108 (206) 767-5000
Testing Laboratories, Inc.
Laufer

LABORATORY NO 2280

480 in the of the

8407 28 09

REPORT ON WATER

Submitted 7/05/84 and identified as shown below:

IDENTIFICATION
SAMPLE

3600 E. Marginal Way
June

TESTS PERFORMED
AND RESULTS

(1) (a) gollim teu 21250

SE.
740.
OS.
500. VI
500. VI
SE.

Total Zinc	0.0000
Total Lead	0.0000
Total Cadmium	0.0000
Total Nickel	0.0000
Total Copper	0.0000
Total Chromium	0.0000

Figure 1

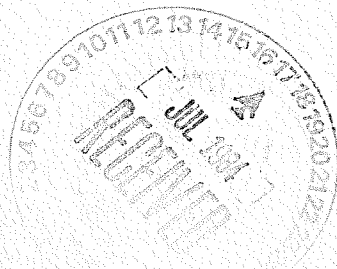
27 indicates "loss of"

Respectfully submitted,

and, and to be told, go like I should

Handwritten signature

ПОСЛЕД. ОЧ. 111



2013/10/11

The first step in the process of creating a new product is to identify a market need. This is often done through market research, which involves gathering information about the target market and its needs. Once a market need has been identified, the next step is to develop a concept for a product that meets this need. This is often done through brainstorming and sketching. The third step is to create a prototype of the product. This is often done using 3D printing or other manufacturing techniques. The fourth step is to test the prototype. This is often done through user testing or other methods. The fifth step is to refine the product based on the results of the testing. The sixth step is to create a business plan for the product. The seventh step is to seek funding for the product. The eighth step is to launch the product. The ninth step is to monitor the product's performance and make adjustments as needed. The tenth step is to continue to develop new products based on the results of the first product.



Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper & Brass
P.O. Box 3546
Seattle, WA 98134

LABORATORY NO. 85657

DATE Aug. 16, 1984

PO #3359

REPORT ON WATER

SAMPLE
IDENTIFICATION

Sample submitted 8-6-84 and identified as shown below:

TESTS PERFORMED
AND RESULTS:

Monthly Metro Sample - July 1984
3600 E. Marginal Way S.

	parts per million (mg/L)
Chromium	0.90
Copper	0.10
Nickel	0.46
Cadmium	L/0.002
Lead	0.03
Zinc	0.91

Key

L/ indicates "less than"

Respectfully submitted,

Laucks Testing Laboratories, Inc.

Mike Nelson

MN:rtv



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper & Brass
P.O. Box 3546
Seattle, WA 98134

LABORATORY NO. 86346

DATE Aug. 31, 1984

PO #A3498

REPORT ON WATER

SAMPLE IDENTIFICATION Submitted 8/22/84 and identified as shown below:

Monthly Metro Sample "3200" Aug 20, 1984

TESTS PERFORMED
AND RESULTS:

parts per million (mg/L)

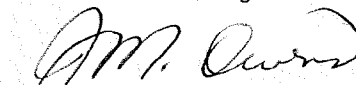
Chromium -----	1.1
Copper -----	2.3
Nickel -----	2.2
Cadmium -----	L/0.002
Lead -----	0.13
Zinc -----	0.11

Key

L/ indicates "less than"

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J.M. Owens

JMO:veg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015797

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98134

LABORATORY NO. 86450

DATE Sept. 7, 1984

PO #A-3602

REPORT ON CHLORETHANE SOLVENT

SAMPLE IDENTIFICATION Submitted 8/31/84 in 2 unmarked samples

TESTS PERFORMED AND RESULTS:

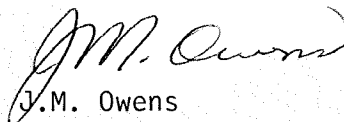
	<u>1</u>	<u>2</u>
Trichloroethane, parts per million (mg/L)	10.5	L/0.01

Key

L/ indicates "less than"

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J.M. Owens

JMO:veg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015798

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98134

LABORATORY NO. 86541

DATE Sept. 19, 1984

PO #A-3651

REPORT ON WATER

SAMPLE
IDENTIFICATION

Samples submitted 9-6-84 and identified as shown below:

TESTS PERFORMED
AND RESULTS:

- 1) 3600 ACW
- 2) ACW 3200

parts per million (mg/L)

	<u>1</u>	<u>2</u>
Chromium	0.55	—
Copper	0.10	—
Nickel	0.46	—
Cadmium	L/0.002	—
Lead	0.04	—
Zinc	0.68	—
Silver	L/0.002	—

parts per billion (ug/L)

Trichloroethane	L/20.	L/20.
-----------------	-------	-------

Key

L/ indicates "less than"

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J. M. Owens

JMO:rtv



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015799

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT
Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98134
ATTN: Jim Brown

LABORATORY NO. 86450-2

DATE Sept. 20, 1984

PO# A-3602

REPORT ON CHLORETHANE SOLVENT

SAMPLE
IDENTIFICATION

Submitted 8/31/84 and identified as shown below:

TESTS PERFORMED
AND RESULTS:

"TTO Test"
for 3200-6th Ave. S.

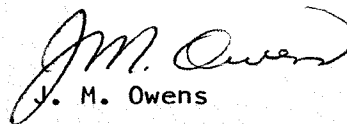
Trichloroethane, parts per million (mg/L) _____ L/0.01

Key

L/ = Less than

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J. M. Owens

JMO:rtv



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015800

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98134

LABORATORY NO. 86982

DATE Oct. 22, 1984

PO #A-3669

REPORT ON WATER

SAMPLE IDENTIFICATION Submitted 10/11/84 and identified as shown below:

TESTS PERFORMED
AND RESULTS:

- 1) #1 3200-x-Ray Dryer
- 2) #3 3200-x-Ray Die Check Area

parts per million (mg/L)

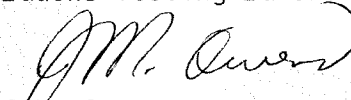
	<u>1</u>	<u>2</u>
Chromium	L/0.002	0.87
Copper	0.034	3.3
Nickel	L/0.01	1.3
Cadmium	L/0.002	L/0.002
Lead	L/0.01	0.10
Zinc	0.009	0.15
Silver	0.25	0.064

Key

L/ indicates "less than"

Respectfully submitted

Laucks Testing Laboratories, Inc.


J.M. Owens

JMO:veg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015801

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98134

LABORATORY NO. 86826

DATE Oct. 22, 1984

PO #A-3833

REPORT ON WATER & WASTE WATER

SAMPLE IDENTIFICATION Submitted 9/28/84 and identified as shown below:

TESTS PERFORMED
AND RESULTS:

- 1) Monthly Metro sample for 3600 E Marginal Way - September
- 2) Metro sample 9/28/84 from 3600 6th Ave. So.

parts per million (mg/L)

1

Chromium -----	0.15
Copper -----	0.037
Nickel -----	0.23
Cadmium -----	L/0.002
Lead -----	0.03
Zinc -----	0.30
Silver -----	L/0.002

Sample was analyzed in accordance with 40 CFR, Part 261.24 for EP Toxicity, with result as shown below:

concentration, mg/L

2

MCL

Arsenic	L/0.2	5.0
Barium	1.5	100.
Cadmium	0.06	1.0
Chromium	4.1	5.0
Lead	0.4	5.0
Mercury	L/0.01	0.2
Selenium	L/0.2	1.0
Silver	L/0.1	5.0



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015802

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P. O. Box 3546
Seattle, WA 98134
ATTN: Jim Brown

LABORATORY NO. 87073

DATE Oct. 26, 1984

PO# A4025

REPORT ON ACID SOLUTION

SAMPLE IDENTIFICATION Submitted 10/18/84 and identified as shown below:

3600 Acid Tank

TESTS PERFORMED
AND RESULTS:

Specific Gravity at 73°F ----- 1.074

Nitric Acid, % (w/w) ----- 5.8

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J. M. Owens

JMO:bg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015803

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98124

LABORATORY NO. 87248

DATE Nov. 15, 1984

PO #A-4154

REPORT ON ACID SOLUTION

SAMPLE IDENTIFICATION Submitted 11/01/84 and identified as shown below:

TESTS PERFORMED AND RESULTS:

- 1) October sump sample 3200 6th Ave. S.
- 2) October nitric acid sample 3200 6th Ave. S.
- 3) October sump sample 3600 E. Marginal Way
- 4) ~~October nitric acid sample 619 S. Alaska (SPS)~~

	1	2	3	4
Specific Gravity @ 70°F	---	1.166	1.082	---
Nitric Acid, %	---	4.5	3.7	---
parts per million (mg/L)				
Chromium	0.42	---	---	0.010
Copper	0.15	---	---	0.016
Nickel	L/0.005	---	---	0.009
Cadmium	0.004	---	---	0.002
Lead	L/0.01	---	---	L/0.01
Zinc	0.059	---	---	2.8
Silver	L/0.005	---	---	L/0.005

Key

L/ = less than

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J.M. Owens
J.M. Owens

JMO:veg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015804

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
3200 6th Ave. S.
Seattle, WA 98134
ATTN: Jim Brown

LABORATORY NO. 87682

DATE Dec. 10, 1984

PO #4458

REPORT ON ACID SOLUTION

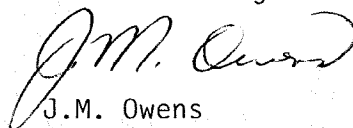
SAMPLE IDENTIFICATION Submitted 12/05/84 and identified as shown below:

TESTS PERFORMED AND RESULTS:
1) #3200 A4458 Nov.
2) #619 A4458 Nov.
3) #3600 A4458 Nov.

	<u>1</u>	<u>2</u>	<u>3</u>
Specific Gravity @ 70°F	1.145	1.088	1.052
Nitric Acid, %	3.2	3.6	4.4

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J.M. Owens

JMO:veg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015805

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P. O. Box 3546
Seattle, WA 98124
ATTN: Jim Brown

LABORATORY NO. 87684

DATE Dec. 14, 1984

PO# A4449

REPORT ON WASTE DISCHARGE

SAMPLE IDENTIFICATION Submitted 12/5/84 and identified as shown below:

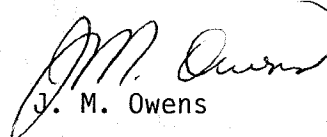
ID #3200-A4449 Nov.

TESTS PERFORMED
AND RESULTS:

Zinc, parts per million (mg/L) ----- 0.16
Chromium, parts per million (mg/L) ----- 0.84
Cyanide, parts per million (mg/L) ----- 0.031

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J. M. Owens

JMO:bg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015806

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P. O. Box 3546
Seattle, WA 98124
ATTN: Jim Brown

LABORATORY NO. 87683

DATE Dec. 14, 1984

PO# A4457

REPORT ON WASTE DISCHARGE

SAMPLE
IDENTIFICATION

Submitted 12/5/84 and identified as shown below:

ID #3600-A4457 Nov.

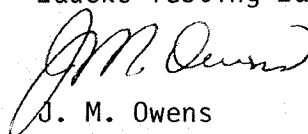
TESTS PERFORMED
AND RESULTS:

Zinc, parts per million (mg/L) ----- 0.62

Chromium, parts per million (mg/L) ----- 0.63

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J. M. Owens

JMO:bg



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

AKC-0015807